

ABSTRACT OF THE DISCLOSURE

In an automotive lane deviation avoidance system that prevents a host vehicle from deviating from its driving lane by correcting the host vehicle's course in a direction that
5 avoids the host vehicle's lane deviation in the presence of a possibility of the host vehicle's lane deviation, the system calculates a desired yawing moment needed to avoid the host vehicle's lane deviation from the driving lane. The system compensates for the desired yawing moment by a
10 correction factor or a gain, which is determined based on a throttle opening of the host vehicle.